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## EUROPEAN PATENT APPLICATION

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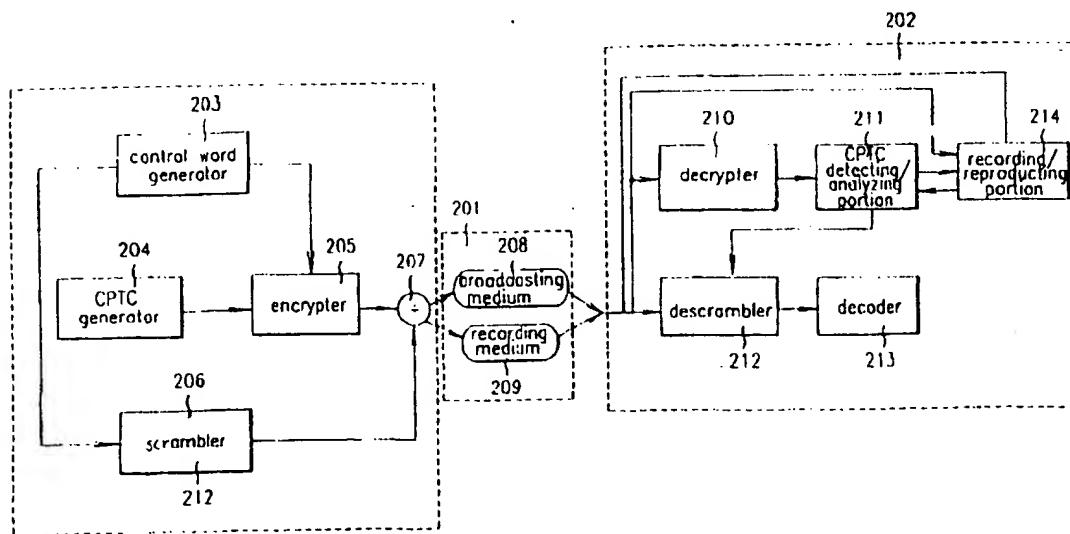
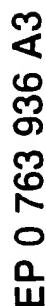
(72) Inventors:

(54) **Illegal view/copy protection method and apparatus for digital broadcasting system**

(57) An illegal view/copy protection method for a digital broadcasting system is disclosed including an audio/video signal transmission step (200.201) for multiplexing and transmitting audio/video bit stream scrambled in control words (206) and information where the control words and CPTC information for illegal view/copy protection are encrypted (208); and an audio/video

reception step (202) for decrypting (210) the transmitted bit stream to analyze the CPTC information and control words (211), deciding whether recording is allowed or not to be recorded on cassette tape, and using the control words, performing descrambling (212) and decoding (213) to output audio/video signals to a monitor, thereby protecting copyright.

FIG. 16





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## EUROPEAN SEARCH REPORT

Application Number  
EP 96 30 6507

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim			
A	EP 0 589 459 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD)  * column 5, line 44 - column 7, line 43; figures 1,2 *	1,3, 10-12, 15, 25-27, 33-36, 38,54, 57-59, 61,62	H04N5/913		
A	EP 0 571 753 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD)  * column 7, line 14 - line 51; figure 1 *	1,10-12, 15, 25-27, 32, 34-36, 52,54, 57-59, 61,62			
A	EP 0 588 535 A (PIONEER ELECTRONIC CORPORATION) * column 2, line 50 - column 11, line 29; figures 1,3,6 *	1,33,52, 55-62	TECHNICAL FIELDS SEARCHED (Int.Cl.6) H04N		
A	EP 0 267 039 A (SATELLITE TECHNOLOGY SERVICES, INC.) * the whole document *	1,33			
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
THE HAGUE	29 April 1997	Verleye, J			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone	T : theory or principle underlying the invention				
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date				
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## EUROPEAN SEARCH REPORT

Application Number

EP 96 30 6507

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,A	<p>EP 0 717 564 A (LG ELECTRONICS INC.)</p> <p>* the whole document *</p> <p>-----</p>	<p>1-3,5,7, 10-12, 15-18, 25,26, 33-38, 40,42, 54, 57-59, 61,62</p>	
			TECHNICAL FIELDS SEARCHED (Int.Cl.)
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	29 April 1997	Verleye, J	
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<p>I : theory or principle underlying the invention      E : earlier patent document, but published on, or after the filing date      D : document cited in the application      L : document cited for other reasons      &amp; : member of the same patent family, corresponding document</p>			

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